

Table S19 Trend analyses for Males and Females separately

Model includes cumulative radon exposure, cumulative gamma-ray exposure and quintiles of Carstairs index of deprivation

Exposure period birth to diagnosis

ICCC3	Diagnostic Grouping	Males										Females									
		Number of Cases	Number of Controls	Relative risk								Number of Cases	Number of Controls	Relative risk							
				Radon				Gamma						Radon				Gamma			
RR ^a	95% CI	P	RR ^b	95% CI	p	RR ^a	95% CI	P	RR ^b	95% CI	p	RR ^a	95% CI	P	RR ^b	95% CI	P	RR ^a	95% CI	p	
11	Lymphoid Leukaemia	4085	5402	1.24	0.85	1.79	0.26	1.11	1.01	1.23	0.03	3182	4169	1.25	0.82	1.91	0.30	1.08	0.96	1.22	0.22
12	Acute Myeloid Leukaemia	704	924	0.65	0.25	1.66	0.37	1.02	0.81	1.27	0.90	612	813	0.82	0.32	2.08	0.67	1.07	0.87	1.32	0.50
13-15	Other Leukaemia	265	335	0.30	0.05	1.78	0.18	1.14	0.76	1.72	0.52	210	269	8.53	0.81	89.31	0.07	1.17	0.77	1.77	0.47
11-15	Total Leukaemia	5054	6661	1.03	0.74	1.43	0.85	1.10	1.01	1.20	0.04	4004	5251	1.25	0.86	1.82	0.24	1.08	0.98	1.20	0.12
21	Hodgkin's disease	616	900	0.94	0.49	1.82	0.86	1.04	0.90	1.19	0.64	323	488	1.20	0.62	2.34	0.59	1.02	0.85	1.21	0.85
22	Non-Hodgkin Lymphoma	663	866	1.51	0.70	3.24	0.29	1.10	0.91	1.32	0.31	320	436	0.92	0.29	2.88	0.88	0.92	0.70	1.21	0.55
21-25	Total Lymphoma	1591	2227	1.08	0.69	1.71	0.73	1.02	0.92	1.12	0.74	728	1047	1.22	0.71	2.12	0.47	0.98	0.85	1.14	0.83
11,22	Lymphoid Leukaemia + NHL	4748	6268	1.27	0.91	1.78	0.16	1.11	1.02	1.21	0.02	3502	4605	1.20	0.81	1.78	0.36	1.05	0.94	1.17	0.38
11-15, 22	Total Leukaemia + NHL	5717	7527	1.09	0.81	1.47	0.58	1.10	1.01	1.19	0.02	4324	5687	1.21	0.85	1.72	0.28	1.06	0.97	1.17	0.21
31-36	Brain/CNS (including Benign)	3540	4875	1.01	0.70	1.46	0.95	1.03	0.95	1.12	0.46	3045	4122	1.34	0.89	2.01	0.16	1.01	0.92	1.10	0.85
41-122	Other malignant tumours	4920	6495	1.02	0.74	1.42	0.89	0.99	0.91	1.08	0.88	4565	6115	0.97	0.72	1.29	0.83	1.04	0.96	1.13	0.35
21-122	Not Leukaemia	10051	13597	1.03	0.83	1.28	0.79	1.01	0.96	1.07	0.61	8338	11284	1.10	0.89	1.36	0.39	1.02	0.97	1.08	0.46
11-122	Total Childhood Cancer	15105	20258	1.03	0.86	1.23	0.75	1.03	0.99	1.08	0.13	12342	16535	1.14	0.94	1.37	0.18	1.04	0.99	1.09	0.16

^aRR for each 10^3 Bq/m³ - years increase in cumulative radon exposure^bRR for each mGy increase in cumulative gamma-ray exposure

RRs in bold are significantly different from 1.00 (P<0.05)